

AMENDMENTS TO THE CLAIMS:

1. (Previously presented) A mobile communication system, comprising:
 - a mobile station;
 - a radio network for radio transmission and reception to and from said mobile station;
 - a home location register for managing, through a mobile services-switching center, current location information representative of a current location of said mobile station in a public telephone network;
 - a home agent for managing, through a packet gateway, current location information representative of a current location of said mobile station in a packet data communication network; and
 - a communication channel connecting said home location register and said home agent to each other for transmission of update contents for the current location information managed by said home location register and said home agent, wherein:
 - each of said home location register and said home agent comprises a location information update unit responsive to the update contents for updating the current location information managed by said home location register and said home agent, respectively, and
 - said home location register further comprises a subscriber register for remotely carrying out subscriber registration of said mobile station into said home agent through said communication channel.

2. (Canceled)

3. (Previously presented) A mobile communication system as claimed in claim 1, wherein at least one of said home location register and said home agent further comprises a current location information conversion table for converting an indication format of the current location information managed by said at least one of the home location register and the home agent.
4. (Previously presented) A mobile communication system as claimed in claim 1, wherein:

said communication channel comprises a network connection utilizing a TCP/IP (Transmission Control Protocol/Internet Protocol) network, and

the identifying information of said home agent comprises a network address of said home agent on said TCP/IP network.
5. (Previously presented) A mobile communication system as claimed in claim 1, wherein said packet data communication network comprises an internet.
6. (Previously presented) A current location information matching method for a mobile communication system which comprises a mobile station, a radio network for radio transmission and reception to and from said mobile station, a home location register for managing, through a mobile services-switching center, current location information representative of a current location of said mobile station in a public telephone network, and a home agent for managing, through a packet gateway, current location information

representative of a current location of said mobile station in a packet data communication network, said method comprising:

connecting said home location register and said home agent to each other through a communication channel;

in said home location register, updating the current location information of said mobile station in said public telephone network in response to a current location report transmitted from said mobile station to said radio network during mobile communication on said public telephone network, and providing updated location information through said communication channel to said home agent; and

in said home agent, updating the current location information of said mobile station in said packet data communication network in response to a current location report transmitted from said mobile station to said radio network during packet data communication, and providing updated location information through said communication channel to said home location register.

7. (Previously presented) A mobile communication system, comprising:

a mobile station,

a radio network for radio transmission and reception to and from said mobile station;

a home location register for managing, through a mobile services-switching center, current location information representative of a current location of said mobile station in a public telephone network;

a home agent for managing, through a packet gateway, current location information

representative of a current location of said mobile station in a packet data communication network; and

a communication channel connecting said home location register and said home agent to each other for transmission of update contents for the current location information managed by said home location register and said home agent, wherein:

said home location register comprises a home agent register for registering, in said home location register, identifying information of said home agent corresponding to said mobile station, and a subscriber register for remotely carrying out subscriber registration of said mobile station into said home agent through said communication channel.

8. (Previously presented) A mobile communication system as claimed in claim 7, wherein at least one of said home location register and said home agent comprises a current location information conversion table for converting an indication format of the current location information managed by said at least one of the home location register and the home agent.

9. (Previously presented) A mobile communication system as claimed in claim 7, wherein:

said communication channel comprises a network connection utilizing a TCP/IP (Transmission Control Protocol/Internet Protocol) network, and

the identifying information of said home agent comprises a network address of said home agent on said TCP/IP network.

10. (Previously presented) A mobile communication system as claimed in claim 7, wherein said packet data communication network comprises an internet.
11. (Currently amended) A mobile communication system as claimed in claim 1, wherein said home location register ~~furthered~~ further comprises a home agent register for registering, in said home location register, identifying information of said home agent corresponding to said mobile station.
12. (Previously presented) A mobile communication system as claimed in claim 1, wherein a packet data communication service subscriber registered in the home location register is simultaneously registered in the home agent.
13. (Previously presented) A current location information matching method as claimed in claim 6, wherein a packet data communication service subscriber registered in the home location register is simultaneously registered in the home agent.
14. (Previously presented) A mobile communication system as claimed in claim 7, wherein a packet data communication service subscriber registered in the home location register is simultaneously registered in the home agent.
15. (Previously presented) A mobile communication system as claimed in claim 1,

Serial No. 09/931,107
Docket No. WN-2380

wherein a packet data communication service subscriber registered in the home location register is automatically registered in the home agent.

16. (Previously presented) A current location information matching method as claimed in claim 6, wherein a packet data communication service subscriber registered in the home location register is automatically registered in the home agent.

17. (Previously presented) A mobile communication system as claimed in claim 7, wherein a packet data communication service subscriber registered in the home location register is automatically registered in the home agent.